

Updated 03/25/2025

Sign up

CompTIA Cloud+ training: Certification (CV0-004)

ALL-IN-ONE: EXAMINATION INCLUDED IN PRICE

5 days (35 hours)

Presentation

Our Comptia Cloud+© training course will prepare you effectively for certification. This certification will enable you demonstrate your ability to analyze, measure and test cloud solutions, skills that have become essential in an environment where cloud computing has become the norm.

Our syllabus follows the main sections of the test: cloud architecture, security requirements, deployment and operations, and automation and orchestration techniques.

As part of our training program, we take an in-depth look at every crucial aspect of [cloud computing](#), focusing on the latest advances and best practices in the industry.

Finally, we'll teach you key concepts in terms of incident response, the importance of governance and compliance with [security standards](#).

Training content

- 5-day training with a certified expert
- 1 year self-study access to the Labs
- 1 certification pass

Objectives

- Mastering safety techniques
- Acquire the skills needed to efficiently deploy cloud infrastructures
- Learn how to automate cloud operations and orchestrate processes
- Develop advanced troubleshooting skills to quickly identify and solve problems

Target audience

- System administrator
- Safety engineer
- Cybersecurity Analyst
- Network administrator

Prerequisites

- 2-3 years' experience in system/security administration recommended
- Solid knowledge of IT security
- Fundamentals of cloud services and deployment
- Practical experience with cloud services such as Amazon Web Services (AWS), Microsoft Azure or Google Cloud Platform is a plus

Note: Ambient IT is not the owner of CompTia Certifications®, this certification belongs to CompTia, Inc.

Cloud+© Certification Preparation Program

Cloud Architecture and Design

- The different types of cloud models
- Deploying models
- Service models: IaaS, PaaS, SaaS
- Advanced cloud services design
- Integration of multi-cloud solutions
- Analysis of system loads and trends
- Scaling strategies
- Standard templates
- High availability and redundancy
- Architectural cost factors

Security

- Identification and authorization
- Directory services
- Multifactor authentication (MFA)
- SSO

- Network segmentation and isolation
- Network services
- Network Flows
- HIDS / HIPS
- Policies
- Encryption
- Data loss prevention (DLP)
- Cloud Access security broker (CASB)
- Disaster recovery
- Vulnerability assessment
- Encryption in transit and at rest

Deployment

- Subscription services
- Provision of resources
- Deploying virtual machines
- Containers and cluster management
- Identity management
- Auto-scaling
- Post-deployment validation
- Types (Block, File, Object)
- Input / Output operations per second (IOPS)
- Redundant array of inexpensive disks (RAID)
- Storage system features
- SDS
- Virtual routing
- MAIL ORDER
- VLAN / VXLAN / GENEVA
- SR-IOV
- CPU / vCPU
- GPU
- IPC
- Physical to virtual (P2V)
- Virtual to virtual (V2V)
- Cloud-to-cloud migrations
- Database migration

Operations and support

- Logging
- Monitoring
- Alerting
- Lifecycle management
- Change management
- Asset management
- Patching
- Dashboard and reporting

Operations and support

- Logging
- Monitoring
- Alerting
- Lifecycle management
- Change management
- Asset management
- Patching
- Dashboard and reporting

Automation and orchestration techniques

- CI/CD
- Automated pipelines
- Version control
- Infrastructure as Code
- Configuration management
- Containers
- Automation activities
- Securing scripts
- Orchestration sequencing
- Workflow management

Backup and restore operations

- Backup types
- Saving objects
- Backup targets
- Backup policy
- Restoration method
- Failovers
- Failback
- Replication
- Network configurations

Troubleshooting

- Identifying the problem
- Privilege
- Authentication
- Authorization
- Safety groups
- Keys and certificates
- Endpoints exposed
- Safety devices
- Connectivity problems
- Licensing problems
- Questions about suppliers
- Network troubleshooting tools
- Incompatible automation tools

Strategy and methods for exam success

Mock exam

FAQ - QUESTIONS / ANSWERS

What language is Comptia Cloud+ taught in?

The course is in French.

Is the exam included in the course price?

Yes, the price of the certification is included in the cost of the course (\$370 for information only). You can take the exam at the end of the session.

How does the Comptia Cloud+ certification exam work?

The exam consists of a performance-based MCQ of up to **90 questions**. It is taken online at an approved Pearson Vue test center.

The exam lasts **90 minutes** and is available in English and French.

To pass this exam, you need to score at least 750 points, on a scale from 100 to 900 points.

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical training: 60% Practical, 40% Theory. Training material distributed in

to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.